

**To:** Thomas, Kent[thomas.kent@epa.gov]  
**Cc:** Ramanauskas, Peter[ramanauskas.peter@epa.gov]; Moore, Kendall[moore.kendall@epa.gov]  
**From:** Mullin, Michelle  
**Sent:** Wed 5/4/2016 6:06:38 PM  
**Subject:** Air ELEs for schools- parent question about age levels

Hi Kent-

We've had a school in our region conduct some air sampling as a result of parent and teacher complaints, after light ballast failures. R10 and R5 are addressing the remediation at this school jointly, after R5 conducted the inspection. I have copied Peter and Kendall from R5 as well.

### Ex. 5 - Deliberative Process

A parent has asked me the following questions that I cannot answer about the ELEs, I thought that you might be able to answer, because I thought you were involved in creating those ELE calculations/levels, etc. Please let me know if I need to reach out to someone else. Her questions:

"How were these limits for these ages formulated? I know that most chemical limits are based on the average adult when it comes to STELS and TLV in an industrial setting. So how were these limitations for children set?? What calculations and past references were used to determine this? And are they based on the "Average" child at that age?"

I believe she spoke with someone from our regional children's health department and is concerned that her children are below average weight- so I think she is probably wondering if these limits apply to smaller than average children, or if something more protective should be applied.

I'm also curious- are there ELEs for pregnant or nursing women? Or is it possible to set those on a site-specific basis?

## Ex. 5 - Deliberative Process

Background:

Results from the school's consultant report are this: (note that EPA was not involved in the preparation of the sampling plan, or review of any sample collection procedures or QA- essentially- we have no control over this data or surety of how it was collected for quality purposes)

7 TOTAL samples >100 ng/m3 (ELE for ages 1-3 years old) Montessori Science Prep (sample #005), Annex Hall East (sample #062) (Aroclor 1242), Annex Girls Restroom (sample #060) (Aroclor 1242), Room F (Aroclor 1242)

3 samples >200 ng/m3 (ELE for ages 3-6 years old) Rooms A (Aroclor 1242), D (Aroclor 1242), and Annex Hall West (sample #056) (Aroclor 1242)

0 samples >300 ng/m3 (ELE for ages 6 and above)

Each room had one air sample collected. Samples were collected in February, 2016.

Thanks for any help you can provide.

Sincerely,

Michelle Mullin  
PCB Coordinator  
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